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Kinross, Wednesday evening, Jan 2nd 1839.

My Dear Doctor:

An unexpected detention here this evening gives me the opportunity of commencing a letter to you partly for the purpose of securing some botanical memoranda &c. My Journal will inform you of all my movements and doings, and also of the arrival of your welcome letter by the 'Liverpool', while I remained at Sir William's. I am much distressed at the thought of your ~~anticipated~~ anticipated engagements with Princeton, and wish very much that you could have felt yourself warranted in delaying until after the expected meeting of the Regents of the Michigan University, which was to take place on the 10th of Dec. While there is the slightest hope remaining I do not like to relinquish the thought that we may hereafter work together and live near each other. The fear that this may not be the case has of late rendered me much more anxious to obtain books and specimens, in order that I may get on by myself in case I shall be compelled to work alone. I need not attempt to tell you how much I have enjoyed my visit to Hooker. He is truly one of Nature's noblemen. We worked very hard for 20 days! and I would have been glad to have stayed as much longer; for as yet I have looked into few books. All the Collections of Carex placed in Boot's hand have been returned to Hooker, and I assisted him in arranging them and selecting for his herbarium; in the course of which I have obtained specimens of nearly all the Northern & Oregonian ones, including one or two which have come in recently, of which I have, when there were duplicates, specimens also for you. The return numbers of those sent you, were in many cases strangely misplaced, and Boot's has often been sadly confounded. He has studied the genus very critically, hypercritically I may say; for he makes new species where we should think there were too many already! He went over Hooker's Grasses in the same way, and I have obtained numerous specimens and much useful information which we shall presently require. On Christmas Day Joseph Hooker selected from a large Van Dieman's Land collection, a suite of specimens as far as they have been studied (to *Calyciflorae*) in which there is in almost

every instance & specimen for each of us. You will find it in a box, which Joseph Hooker has kindly undertaken to close, and which I think will be sent you by the Ship Superb - to sail from Greenock on the 5th Jan. Sir William will write you and apprise you of the vessel. The box contains all the plants given me by Hooker, and several of his works, viz: Bot. miscel. parts 3, 4, 5, 7, 8, 9 & 3 nos. of the 4th suppl. Also nos. 3 & 9 to fill up your set. - Fl. Bor.-Am. parts 5-8-9-10. Comp. to Bot. mag. all but parts 1 & 17. Annals of Nat. Hist. all. Icones Plantarum, all but no. 1. Exotic Fl. no 30-38 inclusive. British Musci Exotici. - and to crown all - an uncolored copy of the British Jungfermannia! - The wanting parts of the above I hope to supply in London. Hooker's generosity is only limited by his power to give. I took Nuttall's box of plants to Boott & Hooker directly on to Glasgow. That for Hooker was poor; that for Boott included nearly a complete set of his plants up to about Buaparaide, to which was added a large amount of the veriest trash from the United States. Hooker wrote Boott about the plants, and the return of mail brought a letter from Boott, begging Hooker to accept every thing not already in his herbarium. In looking over the recent collections from the Snake Country, & Douglas's Californian, I recognized a great portion of Nuttall's, but by no means all. There was a single specimen of *Kentrophyta*! in excellent fruit: another of *Astrophya* with neither flower or fruit, collected long ago by Scouler and mixed in with a species of *Hosackia*, to which genus I am not sure that it is not nearly allied. Nuttall has made too many *Hosackias*! The copy of Fl. with my notes has gone round to London, so that I cannot now communicate many curious things noted in the 2nd part. But how did we overlook the *Hosackia crassifolia* twice over! I am glad you have the fruit of *Chapmanina*. I am a little afraid of *Ptylosanthus*, of which there is a sort of monograph by Vogel in the current volume of the *Linnaea*; but no plurifoliate ones appear. Hooker has a curious new genus of Chenopodiaceae from Rocky Mountains, figured for the *Icones* which he wishes to call *Grayia*! I am quite content with a *Pig-weed*; and this is a very queer one!

I hardly think of going to St. Petersburg now. It is said that Trinius had lost the use of his faculties in a great measure; it is thought irrecoverable. Are you aware that Prescott is supposed to have committed suicide!

I doubt the expediency of sending me many more plants from the Herbarium on to the Continent, I find that I can get on pretty well without them; and they are like to give me a world of trouble. Don't send any *Gnaphalium* or *Cyperaceae* (except your new *Grasses* to Boott) I find I can manage them very well. The genus *Eremion* is good for any thing, includes *Isopyrum* *thalictroides*. The figure in Jacquin represents a 1-2-seeded fruit, just like our *Eremion*; and Hooker's new one from California connects. I fear with the many-seeded ones. I don't know how I overlooked the *Lafleuria squarrosa* from Texas, when I remember it very well. Hooker showed me the plant as a strange & new plant and was a little surprised when I told him what it was. In your Texas Coll. I think it has got mixed with that curious grass (*Chloanthus* *Arab* 5.) By the way look at Texas Coll. no. ... a plant with the habit of *Ilex*, but belonging to an Order as yet new to America proper our flora! Hooker (& after words Arnott) was a little surprised when I showed him that *Stellaria ovalifolia*, Hook. & Arn. (*Kotzeb. Sound*) is *Merkia* *thyrsoides*.

I have been with Arnott from Thursday until within a few hours ago; we have been very much pleased, and have got some curious information. But as a few moments only remain for me let me say, that by some sad mischance or inadvertency Arnott has not received 1. Any specimen of *Broomia*! 2. Neither your Monograph of *Cyperaceae*, 3. Neither your paper in the last vol. of *Ann. Lye.* the existence of which was even unknown to him! There are also very many plants we might have given him, which we supposed he must have which he has not. The *Cyperaceae* I shall supply him with by a copy I have sent on to London. The other papers I have told him you will be most happy to send him the moment you learn he is not supplied. I wish he also had Nuttall's paper in *Linn. acad. Philad.* but fear we can't get it. We examined the young fruit of *Broomia* in spirit; - 4 pendulous ovules, a sort of vestige of a dissepiment in the fruit! aff. *Smilacineae* certe & Arn.

Attagalus variatus, Nutt. = *A. Hypoglyptus*!
To *Attagalus mollissima* add *syn. Attag. (mollis)*, Dougl.
There is a *Phaca canescens* of Hook. & Arn.

Phaca Nuttallii = *P. densiflora*, Samth.
P. densiflora, Samth.

Melrose, 10th Jan, 1839.

Dear Doctor: I left our worthy friend, Dr. Greville & his amiable and kind family, this morning, with whom I have spent 4 or 5 days very delightfully. I gave Greville a copy of our Flora which I had with me. He has presented me a colored copy of his Algae Britannicae, M. & Arn. Prodr. fl. Ind. Br. and is making up for me an extensive set of Algae, which are to be sent on to London, with a book I purchased of Greville (either for myself or the University, as the case may be, viz: a colored copy of Wallich Plantae Acrot. Rariores!! 3 vols. large folio. This Greville (having another copy) offered me for £15. The selling price in London is now £26. It was published for 30 guineas. As to the books I wrote about directed to you from Glasgow, with dried plants. I think they can be landed without paying duty, by a mere statement, but if not I would be obliged to you or Mr. Carey to pay the duty, and retain the books till my arrival. Greville sends you, through me a fine copy of his book of Hymns, which I have been much pleased with. Do write him, when opportunity occurs: he will be very glad to hear from you. He would be very glad to obtain either plants, shells, or insects. I gave him specimens of the Siliceous Infusoria. By the way I have something to say about those, but there is no room here now. I have seen Chambers's work, a very fine one, single folio vol. £18, in Edinburgh. I have received a kind letter from Hooker. He asks if you will send a box of Infusoria ericoides to the Duke of Bedford. I expect to meet him in London, whether he is now on the way on the Kew business. Graham wished to know if you had ever received either of the copies of Witham's book? Edinburgh is indeed a nice place; but it is now truly wintry. ~~and~~ I don't like to think of your going to Princeton.

P.S. Durham, Saturday evening. Just arrived here, and think of improving an opportunity by a friend of Prof. Johnston to send this sheet, and some five or six of Journal addressed to Dear Mrs. J. by this person. Shall hope to write a little more, but perhaps not. Enquiries are made at New-Castle as well as Edinburgh about our Flora, by persons who have ordered it through their book-sellers, but know not where to find it. It should have been advertised in London ere this.

Adieu. Your attached A. Gray